

## Abstract of the Disclosure

A sample processing device [700] comprises an elongated body [101] with a septum seal [109] on one end and a drip tube [731] on the second end. A small-diameter through-chamber [103] in the body provides a receiving and alignment chamber for a hypodermic  
5 needle [109] inserted into the septum. A sample processing chamber [709] provides a location for processing elements such as filters and adsorption or absorption frits [135,137]. Sample fluid injected into, or withdrawn from, the device by the hypodermic needle communicates with a bottom opening [701] of the drip tube via a drip tube nozzle  
10 [705], the sample processing chamber and the small-diameter chamber. The device is particularly useful in automated testing where the device is moved to various processing locations by the hypodermic needle.